

MEA Science Vocabulary/Terminology Guidance 2007-2008

	Grade 4	Grade 8
Direction words and phrases	compare conclude describe explain (process, similarities, differences) identify list provide the one that best ... sort	compare conclude describe explain (process, similarities, differences) identify list provide the one that best ... sort
Organisms and Environments	common biomes including forest, desert, tundra, grassland, polar, ocean, rainforest common life cycles including monarch butterfly, frog, grasshopper, dragonfly, salmon organisms commonly found in the biomes for example: moose, vole, pine tree, eagle, raccoon (forest) simple food chains single-celled organisms including amoeba, paramecium, euglena	In addition to the Grade 4 list: extinct organisms and fossils including horse, trilobite, ferns common elements, mixtures, compounds, and periodic table groups including calcium, potassium, carbon dioxide, water, noble gases food webs of common biomes organ systems including circulatory, digestive, nervous, respiratory, skeletal
Any terms used in the Maine Learning Results may appear on the MEA. The words listed may need special attention or may have different meanings for science and technology than in other areas.	ancestor adaptation balance change (chemical and physical) conclusion condensation data energy (light, sound, heat, sound) evaporation extinct	In addition to the Grade 4 list: absorb accelerate amplitude celestial bodies chloroplast compound condensation convection drag

Note: This list is a guide. It is an attempt to better delineate the vocabulary demands of the MEA science and technology test. It is possible that it will not be considered complete by all users. Please contact Anita Bernhardt at anita.bernhardt@maine.gov with any suggestions for additions. Words and phrases from prior years may appear in tests at any grade level.

Any terms used in the Maine Learning Results may appear on the MEA. The words listed may need special attention or may have different meanings for science and technology than in other areas.	matter mixture phases precipitation property record rotate revolve weathering	electromagnetic spectrum elements energy including mechanical, nuclear, atomic, chemical, potential, kinetic evaporation eyespot flagellum frequencies friction geological glucose impact inertia mass matter mesosphere microorganism Newtons nucleus oxidation photosynthesis property radiation rotate revolve sedimentary structural adaptation thermosphere tissue troposphere weathering
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